

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           **Claim 1 (currently amended):** A magnetron comprising a  
2       choke coil connected between a cathode terminal and a  
3       capacitor, and cooperating with said capacitor to form an  
4       LC filter circuit,

5           wherein said choke coil includes first and second core  
6       type inductors having respectively bar-like high-frequency  
7       absorbing members located within windings thereof, an air-  
8       core inductor not having a high-frequency absorbing member  
9       and connected to said cathode terminal;

10           said first core type inductor, said second core type  
11       inductor and said air-core inductor are connected in series  
12       and said second core type inductor is between said first  
13       core type inductor and said air-core inductor, and

14           said first core type inductor and said second core  
15       type inductor are arranged via a gap having a width within  
16       1mm to 6mm.

1           **Claim 2 (original):** A magnetron according to claim 1,  
2       wherein frequency characteristics of said high-frequency  
3       absorbing members of said first and second core type

4 inductors are different from each other.

1           **Claim 3 (original):** A magnetron according to claim 1,  
2 wherein one of said first and second core type inductors is  
3 formed with a high-density wound type choke coil, and the  
4 other is formed with a low-density wound type choke coil.

1           **Claim 4 (original):** A magnetron according to claim 1,  
2 wherein lengths of said first and second core type  
3 inductors are different from each other.

1           **Claim 5 (original):** A magnetron according to claim 1,  
2 wherein said high-frequency absorbing members located  
3 within said windings of said first and second core type  
4 inductors are connected via an insulating material located  
5 on a position corresponding to said gap presented between  
6 said first and the second core type inductors.

1           **Claim 6 (previously presented):** A magnetron comprising  
2 a choke coil connected between a cathode terminal and a  
3 capacitor, and cooperating with said capacitor to form an  
4 LC filter circuit,

5 wherein said choke coil includes first and second core  
6 type inductors having respectively bar-like high-frequency

7 absorbing members located within windings thereof, an air-  
8 core inductor not having a high-frequency absorbing member  
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type  
11 inductor and said air-core inductor are connected in  
12 series, and;

13 said first core type inductor and said second core  
14 type inductor are arranged via a gap having a width within  
15 1mm to 6mm;

16 wherein said high-frequency absorbing members located  
17 within said windings of said first and second core type  
18 inductors are connected via an insulating material located  
19 on a position corresponding to said gap presented between  
20 said first and the second core type inductors;

21 wherein said insulating material is made of a silicone  
22 rubber based material.

1 **Claim 7 (previously presented):** A magnetron comprising  
2 a choke coil connected between a cathode terminal and a  
3 capacitor, and cooperating with said capacitor to form an  
4 LC filter circuit,

5 wherein said choke coil includes first and second core  
6 type inductors having respectively bar-like high-frequency  
7 absorbing members located within windings thereof, an air-

8 core inductor not having a high-frequency absorbing member  
9 and connected to said cathode terminal;

10 said first core type inductor, said second core type  
11 inductor and said air-core inductor are connected in  
12 series, and;

13 said first core type inductor and said second core  
14 type inductor are arranged via a gap having a width within  
15 1mm to 6mm;

16 wherein said high-frequency absorbing members of said  
17 first and second core type inductors are fixed within said  
18 windings of the first and second core type inductors by  
19 fixing means made of a silicone rubber based adhesive.

1 **Claim 8 (currently amended):** A choke coil, for being  
2 connected between a cathode terminal and a capacitor, and  
3 cooperating with said capacitor to form an LC filter  
4 circuit of a magnetron, comprising;

5 first and second core type inductors having  
6 respectively bar-like high-frequency absorbing members  
7 located within windings thereof, and

8 an air-core inductor not having a high-frequency  
9 absorbing member and connected to said cathode terminal,

10 wherein said first core type inductor, said second  
11 core type inductor and said air-core inductor are connected

12      in series and said second core type inductor is between  
13      said first core type inductor and said air-core inductor,  
14      and  
15              said first core type inductor and said second core  
16      type inductor are connected via a gap having a width within  
17      1mm to 6mm.